

SSSSSSSS	AAAAAA	TTTTTTTTTT	SSSSSSSS	SSSSSSSS	SSSSSSSS	333333	5555555555
SSSSSSSS	AA	AA	TT	SS	SS	33	55
SS	AA	AA	TT	SS	SS	33	55
SS	AA	AA	TT	SS	SS	33	555555
SS	AA	AA	TT	SS	SS	33	555555
SSSSSS	AA	AA	TT	SSSSSS	SSSSSS	33	55
SSSSSS	AA	AA	TT	SSSSSS	SSSSSS	33	55
SS	AAAAAAA	TT	SS	SS	SS	33	55
SS	AAAAAAA	TT	SS	SS	SS	33	55
SS	AA	AA	TT	SS	SS	33	55
SS	AA	AA	TT	SS	SS	33	55
SSSSSSSS	AA	AA	TT	SSSSSSSS	SSSSSSSS	333333	555555
SSSSSSSS	AA	AA	TT	SSSSSSSS	SSSSSSSS	333333	555555

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLL	IIIIII	SSSSSSSS

(1)	77	DECLARATIONS
(1)	332	R/W PSELECT
(1)	413	SATSSS35
(1)	462	CREPRC TESTS
(1)	764	GETJPI TESTS
(2)	969	ROUTINES
(2)	970	REG_SAVE
(2)	991	REG_CHECK
(2)	1033	PRINT_FAIL
(2)	1080	MODE_ID
(2)	1102	CRE_CHECK
(2)	1143	JPI_CHECK

0000 1 .TITLE SATSSS35 - SATS SYSTEM SERVICE TESTS (SUCC S.C.)
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 **
0000 30 :FACILITY: SATS SYSTEM SERVICE TESTS
0000 31
0000 32 :ABSTRACT: The SATSSS35 module tests the execution of the following
0000 33 VMS system services:
0000 34
0000 35 SCREPRC
0000 36 SGETJPI
0000 37
0000 38 :ENVIRONMENT: User mode image.
0000 39 Needs CMKRNL privilege and dynamically acquires other
0000 40 privileges, as needed.
0000 41
0000 42 :AUTHOR: Larry D. Jones. CREATION DATE: JULY, 1979
0000 43
0000 44 :MODIFIED BY:
0000 45
0000 46 V03-002 LDJ0006 Larry D. Jones. 23-Mar-1982
0000 47 Made the quota list be absolute minimum to test the
0000 48 SYSBOOT minimum values.
0000 49
0000 50 V03-001 RNP0005 Robert N. Perron. 23-Mar-1982
0000 51 Removed EXCVEC and FINALEXC from the JPI_GOOD list.
0000 52
0000 53 V02-006 RNP0004 Robert N. Perron. 09-Dec-1981
0000 54 Removed ASTEN from the JPI_GOOD list.
0000 55
0000 56 V02-005 RNP0003 Robert N. Perron. 02-Oct-1981
0000 57 Removed ASTACT from the JPI_GOOD list.

0000	58	:	
0000	59	:	V02-004 LDJ0002 Larry D. Jones, 06-Sep-1981
0000	60	:	Fixed GETJPI P1 reference to CTLSAQ_EXCVEC and CTLSAL_FINALEXC.
0000	61	:	
0000	62	:	V02-003 RNP0002 Robert N. Perron, 01-Jun-1981
0000	63	:	To eliminate dependence on the SYTEST account privileges
0000	64	:	being a specific list, privileges are now set to a fixed list
0000	65	:	before the GETJPI tests are started.
0000	66	:	
0000	67	:	V02-002 RNP0001 Robert N. Perron, 09-Apr-1981
0000	68	:	Fixed problem of STS field changing due to Swapper activity.
0000	69	:	Prevent failure when privileges are added to the SYTEST
0000	70	:	account. Cleaned up some format problems.
0000	71	:	
0000	72	:	V02-001 LDJ0001 Larry D. Jones, 17-Sep-1980
0000	73	:	Modified to conform to new build command procedures.
0000	74	:	**
0000	75	:	--

```

0000 77 .SBTTL DECLARATIONS
0000 78 :
0000 79 : MACRO LIBRARY CALLS
0000 80 :
0000 81 : $ACCDEF : account record offset definitions
0000 82 : $DIBDEF : device info block definitions
0000 83 : $JPIDEF : JPI offset definitions
0000 84 : $PCBDEF : process control block definitions
0000 85 : $PHDDEF : Process header definitions
0000 86 : $PQLDEF
0000 87 : $PRVDEF : privilege definitions
0000 88 : $SHRDEF : shared message definitions
0000 89 : $SFDEF : stack frame definitions
0000 90 : $STSDEF : STS definitions
0000 91 : $UETPDEF : UETP message definitions
0000 92 :
0000 93 :
00000001 0000 94 : SUCCESS = 1 : success
00000002 0000 95 : ERROR = 2 : error
0000 96 :
0000 97 : SHR message definitions
0000 98 :
00740000 0000 99 : UETP = 116@STSS$V_FAC_NO ;define the UETP facility code
00741038 0000 100 :
00741130 0000 101 : UETPS_BEGIND = UETP!SHRS_BEGIND ;define the UETP messages
007410E0 0000 102 : UETPS_TEXT = UETP!SHRS_TEXT
00741080 0000 103 : UETPS_ABENDD = UETP!SHRS_ABENDD
0000 104 : UETPS_ENDEDD = UETP!SHRS_ENDEDD
0000 105 :
0000 106 : Mask of bits for the STS field in a $CREPRC system service as they are
0000 107 : returned from a $GETJPI system service.
0000 108 :
0000 109 : JPI_STS_MASK = <<1@PCBSV_NETWRK>!<1@PCBSV_SSFEXCU>!<1@PCBSV_SSRWAIT>!-
0000 110 : <1@PCBSV_BATCH> !<1@PCBSV_NOACNT> !<1@PCBSV_HIBER> !-
0038C600 0000 111 : <1@PCBSV_LOGIN>>
0000 112 :
0000 113 : The opposite of JPI_STS_MASK
0000 114 :
0000 115 : JPI_STS_NMASK = ^CJPI_STS_MASK
0000 116 :
0000 117 :
0000 118 : Mask of bits for the Privilege field as they are returned from a $GETJPI
0000 119 :
0000 120 : JPI_PRV_MASK = <<1@PRV$V_CMEXEC>!<1@PRV$V_CMKRL>!<1@PRV$V_DETACH>!-
0000 121 : <1@PRV$V_DIAGNOSE>!<1@PRV$V_GROUP>!<1@PRV$V_GRPNAME>!-
0000 122 : <1@PRV$V_LOG_IO>!<1@PRV$V_NETMBX>!<1@PRV$V_NOACNT>!-
0000 123 : <1@PRV$V_PHY_IO>!<1@PRV$V_PRMCEB>!<1@PRV$V_PRMMBX>!-
0000 124 : <1@PRV$V_PSWAPM>!<1@PRV$V_SETPRI>!<1@PRV$V_SYSNAME>!-
0070BFF 0000 125 : <1@PRV$V_SYSPRV>!<1@PRV$V_TMPMBX>!<1@PRV$V_VOLPRO>>
0000 126 :
0000 127 : The compliment of JPI_PRV_MASK
0000 128 :
0000 129 : JPI_PRV_NMASK = ^CJPI_PRV_MASK
0000 130 :
0000 131 : MACROS
0000 132 :
0000 133 : .MACRO JPI,NAME,SIZE

```

```
0000 134 .WORD  SIZE
0000 135 .WORD  JPI$ 'NAME'
0000 136 .ADDRESS NAME
0000 137 .ADDRESS NAME'L
0000 138 .SAVE PSECT
0000 139 .PSECT ITEM_LIST
0000 140 NAME: .BLKB  SIZE
0000 141 NAME'L: .WORD  0
0000 142 .RESTORE PSECT
0000 143 .ENDM JPI
```

```

00000000 147 .PSECT ITEM_LIST,RD,WRT,NOEXE,LONG ; psect to store JPI results in
00000000 148 .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000 149
0000 150 TEST_MOD_NAME:
0000 151 .ASCIIC /SATSSS35/ ; needed for SATSMS message
0009 152 TEST_MOD_NAME_D:
0009 153 .ASCIID /SATSSS35/ ; module name
0019 154 TEST_MOD_BEGIN:
0019 155 .ASCIIC /begun/ ; start end and fail messages
001F 156 TEST_MOD_SUCC:
001F 157 .ASCIIC /successful/
002A 158 TEST_MOD_FAIL:
002A 159 .ASCIIC /failed/
0031 160 CS1: : failure messages
0031 161 .ASCIID \Test !AC service name !AC step !UL failed.\

162 CS2:
163 .ASCIID \Expected !AS = !XL received !AS = !XL\

164 CS3:
165 .ASCIID \Expected !AS!UB = !XL received !AS!UB = !XL\

166 CS5:
167 .ASCIID \Mode was !AS.\

168 EXP:
169 .ASCIID \status\
170 AST_PARAM:
171 .ASCIID \AST param.\

172 BP:
173 .ASCIID \base pri.\

174 PNS:
175 .ASCIID \Process name was not set correctly.\

176 STSFLGS:
177 .ASCIID \STSFLG's\
178 UIC_MSG:
179 .ASCIID \UIC\
180 EFC_NAME:
181 .ASCIID \SATSSF06_DET\

```

54 45 44 5F 36 30 0150
44 49 50 0000016B'010E0000' 0163 182 PID_STR:
43 52 50 45 52 43 00' 016E 183 .ASCID \PID\
06 016E 184 CREPRC:
49 50 4A 54 45 47 00' 0175 185 .ASCIC \CREPRC\
06 0175 186 GETJPI:
72 65 73 75 00000184'01CE0000' 017C 187 .ASCIC \GETJPI\
58 42 40 35 33 53 00000190'010E0000' 0188 188 UM:
00000000 1070BFEF 0196 189 .ASCID \user\
00000000 EF8F4010 019E 190 MBNAM:
01A6 191 .ASCID \S35MBX\
00000003 01A6 192 PRVMASK:
00741130 01AA 193 .QUAD JPI_PRV_MASK
00000001 01AE 194 .QUAD JPI_PRV_NMASK
00000217' 01B2 195 : used for setting privileges to
0186 196 : known value
01 : 01B6 197 : used for clearing any extra
00000001 01B7 198 : privileges
02 01BB 199 MSGVEC:
00000001 01BC 200 .LONG 3
03 01C0 201 .LONG UETPS_TEXT
00000001 01C1 202 .LONG 1
04 01C5 203 ADDRESS MESSAGEL
00000000 01C6 204 QUOTA_LIST:
05 01CA 205 .BYTE PQLS_ASTLM
00000001 01CB 206 .LONG 1
06 01CF 207 .BYTE PQLS_BIOLM
00000001 01D0 208 .LONG 1
07 01D4 209 .BYTE PQLS_BYTLM
00000001 01D5 210 .LONG 1
08 01D9 211 .BYTE PQLS_CPULM
00000000 01DA 212 .LONG 0
09 01DE 213 .BYTE PQLS_DIOLM
00000000 01DF 214 .LONG 1
0B 01E3 215 .BYTE PQLS_FILLM
00000001 01E4 216 .BYTE PQLS_PGFLQUOTA
0A 01E8 217 .LONG 1
00000001 01E9 218 .BYTE PQLS_PRCLM
00 01ED 219 .LONG 0
0A 01E8 220 .BYTE PQLS_TQELM
00000000 01E3 221 .LONG 0
0B 01E3 222 .BYTE PQLS_WSDEFAULT
00000001 01E4 223 .LONG 1
0A 01E8 224 .BYTE PQLS_WSQUOTA
00000001 01E9 225 .LONG 1
00 01ED 226 .BYTE PQLS_LISTEND

01EE 228 GET_LIST: ; GETJPI list of items and results
01EE 229 JPI ACCOUNT,8
01FA 230 SHORT_LIST: ; GETJPI entrys which will vary
01FA 231 JPI CPULIM,4
0206 232 JPI CURPRIV,8
0212 233 JPI GRP,4
021E 234 JPI IMAGPRIV,8
022A 235 JPI MEM,4
0236 236 JPI PRCLM,4
0242 237 JPI TQLM,4
024E 238 JPI UIC,4
025A 239 JPI USERNAME,12
00000044 0266 240 JPI_LIST_SIZE=<USERNAME+2>-ACCOUNT
0000003A 0266 241 JPI_LIST_SIZE1=<USERNAME+2>-CPULIM
0266 242 DIRTY: ; GETJPI entrys which will vary
0266 243 JPI APTCNT,4
0272 244 JPI ASTACT,4
027E 245 JPI ASTEN,4
028A 246 JPI ASTCNT,4
0296 247 JPI ASTLM,4
02A2 248 JPI AUTHPRIV,8
02AE 249 JPI BIOCNT,4
02BA 250 JPI BIOLM,4
02C6 251 JPI BUFI0,4
02D2 252 JPI BYTCNT,4
02DE 253 JPI BYTLM,4
02EA 254 JPI CPUTIM,4
02F6 255 JPI DFPFC,4
0302 256 JPI DFWSCNT,4
030E 257 JPI DIOCNT,4
031A 258 JPI DIOLM,4
0326 259 JPI DIRIO,4
0332 260 JPI EFCS,4
033E 261 JPI EFCU,4
034A 262 JPI EFWM,4
0356 263 JPI EXCVÉC,4
0362 264 JPI FINALEXC,4
036E 265 JPI FILCNT,4
037A 266 JPI FILLM,4
0386 267 JPI FREPOVA,4
0392 268 JPI FREP1VA,4
039E 269 JPI GPGCNT,4
03AA 270 JPI IMAGNAME,128
0386 271 JPI LOGINTIM,4
03C2 272 JPI OWNER,4
03CE 273 JPI PAGEFLTS,4
03DA 274 JPI PGFLQUOT,4
03E6 275 JPI PID,4
03F2 276 JPI PPGCNT,4
03FE 277 JPI PRCCNT,4
040A 278 JPI PRCNAM,15
0416 279 JPI PROCPRIV,8
0422 280 JPI PRI,4
042E 281 JPI PRI8,4
043A 282 JPI STAT,4
0446 283 JPI STS,4
0452 284 JPI TMBU,4

045E	285	JPI TQCNT,4
046A	286	JPI VOLUMÉS,4
0476	287	JPI VIRTPEAK,4
0482	288	JPI WSAUTH,4
048E	289	JPI WSQUOTA,4
049A	290	JPI WSPEAK,4
04A6	291	JPI WSSIZE,4
00000000	0482	.LONG 0

: List terminator

		; expected GETJPI results		
		; Item name		buffer offset
20 54 53 45 54 53 59 53	04B6 04B6 04B6 04B6 04B6 04B6 04B6 04B6	294 295 296 297 298 299 300 301	JPI_GOOD: .ASCII /SYSTEST / .WORD 8 .SHRT: .LONG 0 .WORD 4 .QUAD JPI_PRV_MASK .WORD 8 .LONG 1 .WORD 2 .QUAD 0 .WORD 8 .LONG 7 .WORD 2 .LONG 8 .WORD 2 .LONG ^X14 .WORD 2 .LONG ^X10007 .WORD 4	; ACCOUNT 00 ; ACCOUNTL 08 ; CPULIM 0A ; CPULIML 0E ; CURPRIV 10 ; CURPRIVL 18 ; GRP 1A ; GRPL 1E ; IMAGEPRIV 20 ; IMAGEPRIVL 28 ; MEM 2A ; MEML 2E ; PRCLM 30 ; PRCLML 38 ; TQLM 3A ; TQLML 3E ; UIC 40 ; UICL 44 ; USERNAME 46 ; USERNAMEL 52
00000000 1070BFEF	0004 0008 0004 0008 0004 0008 0004 0008	04C4 04C6 04C4 04CE 04C4 04D0 04D4 04D6	00000000 1070BFEF .WORD 4 .QUAD JPI_PRV_MASK .WORD 8 .LONG 1 .WORD 2 .QUAD 0 .WORD 8 .LONG 7 .WORD 2 .LONG 8 .WORD 2 .WORD 2 .WORD 4	
00000000 00000000	0002 0002 0002 0008 0002 0002 0002 0004	04D4 04D6 04DE 04E0 04E4 04E6 04EA 04EC	00000001 00000001 00000007 00000007 00000008 00000008 00000014 00000014 .WORD 2 .QUAD 0 .WORD 8 .LONG 1 .WORD 2 .QUAD 0 .WORD 8 .WORD 2 .WORD 2 .WORD 2 .WORD 2 .WORD 2 .WORD 2 .WORD 4	
20 20 20 20 20 54 53 45 54 53 59 53	0004 000C 0504 0506 0514 0517 0517 0525 0529 0537 053A 053A 054E 054E 055C 055E 0565 00010007	04F6 04F8 0504 0506 0514 0517 0517 0525 0529 0537 053A 053A 054E 054E 055C 055E 0565 0565 0565	0000050E'010E0000' 54 55 50 .WORD ^XC IN: .ASCII /SY\$INPUT/ OUT: .ASCII /SY\$OUTPUT/ ERR: .ASCII /SY\$ERROR/ IMAGE_NAME: .ASCII /SAT\$UT01.EXE/ PROC_NAME: .ASCII /SAT\$UT35/ PROC_UIC: .BLKB 7 .LONG ^X10007	
4E 49 24 53 59 53 0000050E'010E0000' 54 55 50	0506 0514 0517 0525 0529 0537 053A 053A 0548 054E 055C 055E 0565 0565 0565	0506 0514 0517 0525 0529 0537 053A 053A 0548 054E 055C 055E 0565 0565 0565		
55 4F 24 53 59 53 0000051F'010E0000' 54 55 50 54	0517 0525 0529 0537 053A 053A 054E 054E 055C 055E 0565 0565 0565	0517 0525 0529 0537 053A 053A 054E 054E 055C 055E 0565 0565 0565		
52 45 24 53 59 53 00000531'010E0000' 52 4F 52	0537 053A 053A 0548 054E 054E 055C 055E 0565 0565 0565	0537 053A 053A 0548 054E 054E 055C 055E 0565 0565 0565		
54 55 53 54 41 53 00000542'010E0000' 45 58 45 2E 31 30	0548 054E 054E 055C 055E 0565 0565 0565	0548 054E 054E 055C 055E 0565 0565 0565		
54 55 53 54 41 53 00000556'010E0000' 35 33 00000565 00010007	0548 054E 054E 055C 055E 0565 0565 0565	0548 054E 054E 055C 055E 0565 0565 0565		

; process UIC

```

0569 331 :  

0569 332 : .SBTTL R/W PSECT  

00000000 333 : .PSECT RWDATA,RD,WRT,NOEXE,LONG  

0000 334 :  

00000000 0000 335 : PID:  

0004 336 CURRENT_TC: .LONG 0 ; PID for this process  

00000000 0004 337 .LONG 0 ; ptr to current test case  

0008 338 .ALIGN LONG ; put it on a long word boundry  

00000044 0008 339 REG_SAVE_AREA: .BLKL 15 ; register save area  

0044 340 MOD_MSG_CODE: .LONG UETPS_SATSMS ; test module message code for putmsg  

007480D9 0044 341 TMN_ADDR: .ADDRESS TEST_MOD_NAME  

0048 342 TMD_ADDR: .ADDRESS TEST_MOD_BEGIN  

00000000' 0048 343 PRVPRT: .BYTE 0 ; protection return byte for SETPRT  

00000000 004C 344 PRIVMASK: .QUAD 0 ; priv. mask  

00000000 0051 345 CHM_CONT: .LONG 0 ; change mode continue address  

00000065 005D 346 RETADR: .BLKL 2 ; returned address's from SETPRT  

00000000 0065 347 STATUS: .LONG 0  

00000000 0065 348 MODE: .LONG 0 ; current mode string pointer  

00000000 0069 349 REG: .LONG 0  

74 73 69 67 65 72 00000075'010E0000' 006D 350 .ASCID \register R\  

52 20 72 65 007B 351  

00000000 007F 352 REGNUM: .LONG 0 ; register number  

00000000 007F 353 MSGL: .LONG 80 ; buffer desc.  

00000050 0083 354 : ADDRESS BUF  

00000133' 0083 355 CRE: $CREPRC PID1,0,0,0,0,0,QUOTA_LIST,-  

00000133' 0087 356 0,0,0,0 ; CREPRC parameter list  

00000133' 0087 357 GET: $GETJPI EFN=1,PIDADR=PID1,PRCNAM=TEST_MOD_NAME_D,ITMLST=GET_LIST ; GETJPI parameter list's  

00000133 0103 358 GET1: $GETJPI ITMLST=GET_LIST  

00000133 0103 359 ITEM_LIST: .BLKL 12  

00000183 0133 360 BUF: .BLKB 80  

00000183 0183 361 ML: .LONG 0 ; desc. for BUF_CHECK routine  

00000000 0183 362 : ADDRESS GETBUF+8  

00000193' 0187 363 GETBUF: .LONG 132  

00000084 018B 364 .ADDRESS +4  

00000193' 018F 365 .BLKB 132  

00000217 0193 366 MESSAGE: .LONG 0 ; message desc.  

00000000 0217 367

```

00000133'	021B	387	ADDRESS BUF	
00000000	021F	388	SERV_NAME:	
	021F	389	.LONG 0	: service name pointer
	0223	390	MSGVEC1:	: PUTMSG message vector
00000003	0223	391	.LONG 3	
00741130	0227	392	.LONG UETPS_TEXT	
00000001	022B	393	.LONG 1	
00000000	022F	394	.LONG 0	
	0233	395	IOSTAT:	
00000000 00000000	0233	396	.QUAD 0	: IO status block
	023B	397	PID1:	
00000000	023B	398	.LONG 0	: PID storage location
	023F	399	MBCHAN:	
0000	023F	400	.WORD 0	: MBX channel location
0000	0241	401	MBXUN:	
0000	0241	402	.WORD 0	: MBX unit number
	0243	403	IOSTATUS:	
0000024B	0243	404	.BLKL 2	: MBX read IO status block
	024B	405	MBUF:	
000002AF	024B	406	.BLKB 100	: MBX read buffer
	02AF	407	TEST_PID:	
00000000	02AF	408	.LONG 0	: GETJPI parameter
	02B3	409	PRIVS:	
00000000 00000000	02B3	410	.QUAD 0	: privilege mask

00000000 412 .PSECT SATSSS35, RD, WRT, EXE, LONG
0000 413 .SBTTL SATSSS35
0000 414 ++
0000 415 FUNCTIONAL DESCRIPTION:
0000 416
0000 417 After performing some initial housekeeping, such as
0000 418 printing the module begin message and acquiring needed privileges,
0000 419 the system services are tested in each of their normal conditions.
0000 420 Detected failures are identified and an error message is printed
0000 421 on the terminal. Upon completion of the test a success or fail
0000 422 message is printed on the terminal.
0000 423
0000 424 CALLING SEQUENCE:
0000 425
0000 426 \$ RUN SATSSS35 ... (DCL COMMAND)
0000 427
0000 428 INPUT PARAMETERS:
0000 429
0000 430 none
0000 431
0000 432 IMPLICIT INPUTS:
0000 433
0000 434 none
0000 435
0000 436 OUTPUT PARAMETERS:
0000 437
0000 438 none
0000 439
0000 440 IMPLICIT OUTPUTS:
0000 441
0000 442 Messages to SYSS\$OUTPUT are the only output from SATSSS35.
0000 443 They are of the form:
0000 444
0000 445 %UETP-S-SATSMS: TEST MODULE SATSSS35 BEGUN ... (BEGIN MSG)
0000 446 %UETP-S-SATSMS: TEST MODULE SATSSS35 SUCCESSFUL ... (END MSG)
0000 447 %UETP-E-SATSMS: TEST MODULE SATSSS35 FAILED ... (END MSG)
0000 448 %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 449
0000 450 COMPLETION CODES:
0000 451
0000 452 The SATSSS35 routine terminates with a \$EXIT to the
0000 453 operating system with a status code defined by UETPS_SATSMS.
0000 454
0000 455 SIDE EFFECTS:
0000 456
0000 457 none
0000 458
0000 459 --
0000 460
0000 461 TEST_START SATSSS35 ; let the test begin

0004'CF 0000 0000 .ENTRY SATSSS35,0
 00 00 DD 0002 CLRL W^CURRENT_TC
 0000'CF 00 DF 0006 PUSHL #0
 00000000'GF 02 FB 000C PUSHAL W^TPID
 00000000'GF 00 FB 0013 CALLS #2,G^SYSSWAKE
 0009'CF 7F 001A CALLS #0,G^SYSSHIBER
 00000000'GF 01 FB 001E PUSHAQ W^TEST_MOD_NAME_D
 004C'CF 001F'CF DE 0025 CALLS #1,G^SYSSSETPRN
 0044'CF 03 00 01 FO 002F BSBW W^MOD_MSG_PRINT
 00 00 DD 0036 MOVAL W^TEST_MOD_SUCC,W^TMD_ADDR
 0BF3'CF 01 FB 0038 INSV #SUCCESS,#0,#3,W^MOD_MSG_CODE
 003D PUSHL #0
 003D CALLS #1,W^REG_SAVE

 STP0:
 003D 462 .SBTTL CREPRC TESTS
 003D 463 :+
 003D 464 :
 003D 465 : CREPRC tests
 003D 466 :
 003D 467 : test the minimum quota all defaults subprocess with _S
 003D 468 :
 003D 469 :-

 0069'CF 017C'CF DE 003D 470 MOVAL W^UM,W^MODE : set the mode
 021F'CF 016E'CF DE 0044 471 MOVAL W^CREPRC,W^SERV_NAME : set the service name
 004B 472 \$CREMBX_S CHAN=W^MBCHAN,-
 004B 473 LOGNAM=W^MBNAM : make something to listen with
 0062 474 \$GETCHN_S CHAN=W^MBCHAN,-
 0241'CF 019F'CF B0 0078 475 PRIBUF=W^GETBUF : get the unit number
 0062 476 MOVW W^GETBUF+B+DIBSW UNIT,W^MBXUN : and save it
 007F 477 \$CREPRC_S QUOTA=W^QUOTA[IST,-
 007F 478 MBXUNT=W^MBXUN : create a subprocess with _S
 00A5 479 FAIL_CHECK SSS_NORMAL : check for success
 00000000'8F DD 00A5 PUSHL #SSS_NORMAL
 56 0BF3'CF 01 FB 00AB CALLS #1,W^REG_CHECK
 00000000'8F DD 00B0 480 MOVL #RMSS_FNF,R6 : set exit status code
 57 D4 00B7 481 CLRL R7 : disable PID checking this time
 0D30'CF 00 FB 00B9 482 CALLS #0,W^CRE_CHECK : check the process exit code
 00BE 483 :+
 00BE 484 :
 00BE 485 : test the PIDADR parameter with _G
 00BE 486 :
 00BE 487 :-
 00BE 488 NEXT_TEST

 STP1:
 0004'CF 01 DD 00BE MOVL #1,W^CURRENT_TC
 00 00 DD 00C3 PUSHL #0
 0BF3'CF 01 FB 00C5 CALLS #1,W^REG_SAVE
 00B7'CF 0241'CF B0 00CA 489 MOVW W^MBXUN,W^CRE+CREPRCS_MBXUNT : set the MBX unit number
 00 00 DD 00C3 \$CREPRC_G W^CRE : try G and PIDADR param.
 00DA 490 CALLS #1,W^REG_SAVE : check for success
 00000000'8F DD 00DA 491 FAIL_CHECK SSS_NORMAL
 0BF3'CF 01 FB 00E0 492 PUSHL #SSS_NORMAL
 57 D6 00E5 493 CALLS #1,W^REG_CHECK : enable PID checking
 0D30'CF 00 FB 00E7 493 INCL R7 : check the process exit code
 56 00000000'8F DD 00EC 494 CALLS #0,W^CRE_CHECK : set expected status return
 00BE MOVL #SSS_NORMAL,R6

0004'CF	02	DO	00F3	495	:+				
0BF3'CF	01	FB	00F8	496	:+				
			00FA	497	:+	test the IMAGE param. with _S			
			00FF	498	:+				
			00FF	499	:+				
			00FF	500	:+	NEXT_TEST			
			00F3	501	STP2:				
00000000'8F	01	DD	0129	502	MOVL #2,W^CURRENT_TC				
0BF3'CF	01	FB	012F	503	PUSHL #0				
			0129	504	CALLS #1,W^REG_SAVE				
			0129	505	SCREPRC_S QUOTA=W^QUOTA_LIST,-				
			0129	506	IMAGE=W^IMAGE_NAME,-				
			0129	507	MBXUNT=W^MBXUN,-				
			0129	508	PIDADR=W^PID1				
			0129	509	FAIL_CHECK SSS_NORMAL				
			0129	510	PUSHL #SSS_NORMAL				
			0129	511	CALLS #1,W^REG_CHECK				
0D30'CF	00	FB	0134	512	SWAKE_S PIDADR = W^PID1				
			0141	513	CALLS #0,W^CRE_CHECK				
			0146	514	;+ test the INPUT param. with _G				
			0146	515	0146				
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			0146	676	0146				
			0146	677</td					

00000000'8F 01 01C7 533 FAIL_CHECK_SSS_NORMAL ; check success
 0BF0'CF 01 DD 01C7 533 PUSHL #SSS_NORMAL
 0D30'CF 00 FB 01CD 534 CALLS #1 W^REG_CHECK
 01E4 535 SWAKE_S PIDADR = W^PID1 ; cause process termination
 01E4 536 CALLS #0,W^CRE_CHECK ; check process exit code
 01E4 537 :+
 01E4 538 : test ERROR param. with _G
 01E4 539 :
 01E4 540 :-
 01E4 541 NEXT_TEST
 01E4 542 STP5:
 0004'CF 05 DD 01E4 MOVL #5,W^CURRENT_TC
 00 00 DD 01E9 PUSHL #0
 0BF3'CF 01 FB 01EB CALLS #1,W^REG_SAVE
 009B'CF 0517'CF DE 01F0 542 MOVAL W^OUT,W^CRE+CREPRCS_OUTPUT ; set the output param.
 009F'CF 0529'CF DE 01F7 543 MOVAL W^ERR,W^CRE+CREPRCS_ERROR ; set the error output param
 00000000'8F 01 DD 0207 544 SCREPRC_G W^CRE ; try G with ERROR param
 0BF0'CF 01 FB 020D 545 FAIL_CHECK_SSS_NORMAL ; check for success
 01E4 546 PUSHL #SSS_NORMAL
 0D30'CF 00 FB 0212 547 CALLS #1,W^REG_CHECK
 0224 548 SWAKE_S PIDADR = W^PID1 ; cause process termination
 0224 549 CALLS #0,W^CRE_CHECK ; check process exit code
 0224 550 :+
 0224 551 : test PRVADR param with _S
 0224 552 :-
 0224 553 NEXT_TEST
 0224 554 STP6:
 0004'CF 06 DD 0224 MOVL #6,W^CURRENT_TC
 00 00 DD 0229 PUSHL #0
 0BF3'CF 01 FB 022B CALLS #1,W^REG_SAVE
 0230 555 SCREPRC_S PIDADR=W^PID1,= ; try S with PRVADR param
 0230 556 IMAGE =W^IMAGE_NAME,-
 0230 557 INPUT =W^IN,-
 0230 558 OUTPUT=W^OUT,-
 0230 559 ERROR =W^ERR,-
 0230 560 PRVADR=W^PRIVS,-
 0230 561 MBXUNT=W^MBXUN,-
 0230 562 QUOTA =W^QUOTA_LIST ; check success
 00000000'8F 01 DD 0262 562 FAIL_CHECK_SSS_NORMAL
 0BF0'CF 01 FB 0268 PUSHL #SSS_NORMAL
 0D30'CF 00 FB 026D 563 CALLS #1,W^REG_CHECK
 027F 564 SWAKE_S PIDADR = W^PID1 ; cause process termination
 027F 565 CALLS #0,W^CRE_CHECK ; check image exit status
 027F 566 :+
 027F 567 : test PRCNAM param with _G
 027F 568 :
 027F 569 :-
 027F 570 NEXT_TEST
 027F 571 STP7:
 0004'CF 07 DD 027F MOVL #7,W^CURRENT_TC

0BF3'CF 00 DD 0284 PUSHL #0
 009F'CF 01 FB 0286 CALLS #1,W^REG_SAVE
 00A3'CF 0283'CF DE 0288 571 MOVAL W^ERR,W^CRE+CREPRCS_ERROR ; set the ERROR param.
 00AB'CF 054E'CF DE 0292 572 MOVAL W^PRIVS,W^CRE+CREPRCS_PRVADR ; set the PRVADR param.
 00000000'8F DE 0299 573 MOVAL W^PROC_NAME,W^CRE+CREPRCS_PRCNAM ; set the process name
 0BF3'CF 01 DD 02A0 574 SCREPRC G W^CRE ; try G with a PRCNAM
 021F'CF 0175'CF DE 02A9 575 FAIL_CHECK SSS_NORMAL ; check success
 0BF3'CF 01 DD 02A9 PUSHL #SSS_NORMAL
 021F'CF 0175'CF DE 02AF CALLS #1,W^REG_CHECK ; set service name
 021F'CF 01 DD 0284 576 MOVAL W^GETJPI,W^SERV_NAME
 021F'CF 0175'CF DE 0288 577 SGETJPI_S PIDADR = W^PID1,- ; get the process name
 021F'CF 0175'CF DE 0288 578 ITMLST = W^GET_LIST ; check success
 00000000'8F DE 02D2 579 FAIL_CHECK SSS_NORMAL
 0BF3'CF 01 DD 02D2 PUSHL #SSS_NORMAL
 021F'CF 016E'CF DE 02D8 CALLS #1,W^REG_CHECK ; set service name
 0556'CF 01A2'CF 0F 29 02E4 580 MOVAL W^CREPRC,W^SERV_NAME ; correct process name?
 09 13 02EC 581 CMPC3 #15,W^PRCNAME,W^PROC_NAME+8
 0109'CF DF 02EE 582 BEQL 10\$; br if OK
 0C3F'CF 01 FB 02F2 583 PUSHAL W^PNS ; push string variable
 02F7 584 CALLS #1,W^PRINT_FAIL ; print the failure
 0D30'CF 00 FB 02F7 585 10\$: SWAKE_S PIDADR = W^PID1 ; cause process termination
 0304 586 CALLS #0,W^CRE_CHECK ; check image exit status
 0309 588 ;+
 0309 589 ; test BASPRI with _S and a lower priority
 0309 590 ;
 0309 591 ;
 0309 592 ;-
 0309 593 ; NEXT_TEST
 0004'CF 08 DD 0309 STP8:
 0BF3'CF 01 DD 030E MOVL #8,W^CURRENT_TC
 0310 594 SCREPRC_S PIDADR = W^PIDT,-
 0315 595 IMAGE = W^IMAGÉ_NAME,-
 0315 596 INPUT = W^IN,-
 0315 597 OUTPUT = W^OUT,-
 0315 598 ERROR = W^ERR,-
 0315 599 BASPRI = #1,-
 0315 600 PRVADR = W^PRIVS,-
 0315 601 MBXUNT = W^MBXUN,-
 0315 602 QUOTA = W^QUOTA_LIST ; try all that
 0347 603 FAIL_CHECK SSS_NORMAL ; check success
 00000000'8F 0BF3'CF 01 DD 0347 PUSHL #SSS_NORMAL
 021F'CF 0175'CF DE 034D CALLS #1,W^REG_CHECK ; set service name
 0352 604 MOVAL W^GETJPI,W^SERV_NAME
 0359 605 SGETJPI_S PIDADR = W^PID1,- ; get the base priority
 0359 606 ITMLST = W^GET_LIST ; check success
 00000000'8F 0BF3'CF 01 DD 0370 607 FAIL_CHECK SSS_NORMAL
 021F'CF 016E'CF DE 0376 PUSHL #SSS_NORMAL
 01C3'CF 01 D1 0378 608 MOVAL W^CREPRC,W^SERV_NAME ; set service name
 0F 13 0382 609 CMPL #1,W^PRIB ; is it correct?
 01C3'CF 01 DD 0387 610 BEQL 20\$; br if OK
 01C3'CF 01 DD 0389 611 PUSHL W^PRIB ; push received
 01C3'CF 01 DD 038D 612 PUSHL #1 ; push expected

00F8'CF 03 DF 038F 613 PUSHAL W^BP ; push str variable
 0C3F'CF 03 FB 0393 614 CALLS #3,W^PRINT_FAIL ; print the failure
 0398 615 20\$: SWAKE_S PIDADR = W^PID1 ; cause process termination
 0D30'CF 00 FB 03A5 616 CALLS #0,W^CRE_CHECK ; check image exit status
 03AA 617 ;+
 03AA 618 ;- test BASPRI with _S and a higher priority
 03AA 619 ;+
 03AA 620 ;-
 03AA 621 ;-
 03AA 622 ;-
 03AA 623 ;- NEXT_TEST
 03AA 624 STP9:
 0004'CF 09 DO 03AA MOVL #9,W^CURRENT_TC
 00 00 DD 03AF PUSHL #0
 0BF3'CF 01 FB 03B1 CALLS #1,W^REG_SAVE
 59 00000000'9F DO 03D3 625 MODE TO,25\$,KRLN,NOREGS ; kernal mode to access PHD
 0051'CF 69 DE 03DA 626 MOVL #CTL\$GL PHD,R9 ; get process header address
 03DF 627 MOVAL PHDSQ PRIVMSK(R9),W^PRIVMASK ; get priv mask address
 03E0 628 MODE FROM,25\$; get back to user mode
 0BF3'CF 00 DD 0400 629 PRIV ADD,SETPRI ; add SETPRI priv
 01 FB 0402 630 PUSHL #0 ; push a dummy parameter
 0407 631 CALLS #1,W^REG_SAVE ; save the registers
 SCREPRC_S PIDADR = W^PID1,-
 0407 632 IMAGE = W^IMAGÉ_NAME,-
 0407 633 INPUT = W^IN,-
 0407 634 OUTPUT = W^OUT,-
 0407 635 ERROR = W^ERR,-
 0407 636 BASPRI = #4,-
 0407 637 PRVADR = W^PRIVS,-
 0407 638 MBXUNT = W^MBXUN,-
 0407 639 QUOTA = W^QUOTA_LIST
 0439 640 FAIL_CHECK SS\$_NORMAL ; try S higher priority
 0BF0'CF 01 DD 0439 PUSHL #SS\$_NORMAL ; check success
 021F'CF 0175'CF FB 043F CALLS #1,W^REG_CHECK
 021F'CF 01 DE 0444 641 MOVAL W^GETJPI,W^SERV_NAME ; set the service name
 044B 642 SGETJPI_S PIDADR = W^PID1,-
 044B 643 ITMLST = W^GET_LIST ; get the base priority
 0462 644 FAIL_CHECK SS\$_NORMAL ; check success
 00000000'8F DD 0462 PUSHL #SS\$_NORMAL
 0BF0'CF 01 FB 0468 CALLS #1,W^REG_CHECK
 021F'CF 016E'CF DE 046D 645 MOVAL W^CREPRC,W^SERV_NAME ; reset the service name
 01C3'CF 04 D1 0474 646 CMPL #4,W^PRI_B ; is the priority OK?
 0F 13 0479 647 BEQL 30\$; br if OK
 01C3'CF DD 047B 648 PUSHL W^PRI_B ; push received
 04 DD 047F 649 PUSHL #4 ; push expected
 00F8'CF DF 0481 650 PUSHAL W^BP ; push the str variable
 0C3F'CF 03 FB 0485 651 CALLS #3,W^PRINT_FAIL ; print the failure
 048A 652 30\$: SWAKE_S PIDADR = W^PID1 ; cause process termination
 0D30'CF 00 FB 0497 654 CALLS #0,W^CRE_CHECK ; check image exit status
 049C 655 ;+
 049C 656 ;- test detached process
 049C 657 ;+
 049C 658 ;-
 049C 659 ;-
 049C 660 ;- NEXT_TEST

00000000'8F DD 05FC
 0BFD'CF 01 FB 0602
 021F'CF 016E'CF DE 0607 704
 02B3'CF 0010'CF 7D 060E 705
 0615 706
 0615 707
 0615 708
 0615 709
 0615 710
 0615 711
 0615 712
 0615 713
 0615 714
 0615 715
 0615 716
 064D 717
 00000000'8F DD 064D
 0BFD'CF 01 FB 0653
 021F'CF 0175'CF DE 0658 718
 065F 719
 065F 720
 0676 721
 00000000'8F DD 0676
 0BFD'CF 01 FB 067C
 021F'CF 016E'CF DE 0681 722
 000001CF'EF FFC739FF 8F CA 0688 723
 0693 724
 0038C600 8F 01CF'CF D1 0693 725
 13 13 069C 726
 01CF'CF DD 069E 727
 0038C600 8F DD 06A2 728
 0134'CF DF 06A8 729
 0C3F'CF 03 FB 06AC 730
 06B1 731 50\$:
 56 0D30'CF 56 D4 06BE 732
 00 00 FB 06C0 733
 00000000'8F DO 06C5 734
 06CC 735
 06CC 736 :+
 06CC 737 : test the STSFLG's _G all clear
 06CC 738 :
 06CC 739 :
 06CC 740 :
 06CC 741 :
 06CC :
 06CC :
 0004'CF 0C DO 06CC
 00 00 DD 06D1
 0BF3'CF 01 FB 06D3
 00A3'CF 02B3'CF DE 06D8 742
 00AB'CF 054E'CF DE 06DF 743
 00AF'CF 02 DO 06E6 744
 00B3'CF 0565'CF DO 06EB 745
 021F'CF 0175'CF DE 06F2 746
 07C2 747
 0702 748
 0702 749

PUSHL #SS\$ NORMAL
 CALLS #1,W^REG CHECK
 MOVAL W^CREPRC,W^SERV NAME
 MOVO W^CURPRIV,W^PRIVS
 SCREPRC_S PIDADR = W^PID1,-
 IMAGE = W^IMAGE_NAME,-
 INPUT = W^IN,-
 OUTPUT = W^OUT,-
 ERROR = W^ERR,-
 BASPRI = #2,-
 PRVADR = W^PRIVS,-
 MBXUNT = W^MBXUN,-
 QUOTA = W^QUOTA_LIST,-
 UIC = W^PROC_OIC,-
 STSFLG = #^XFF

FAIL_CHECK SS\$_NORMAL
 PUSHL #SS\$ NORMAL
 CALLS #1,W^REG CHECK
 MOVAL W^GETJPI,W^SERV NAME
 SGETJPI_S PIDADR = W^PID1,-
 ITMLST = W^GET_LIST

FAIL_CHECK SS\$_NORMAL
 PUSHL #SS\$ NORMAL
 CALLS #1,W^REG CHECK
 MOVAL W^CREPRC,W^SERV NAME
 BICL #JPI_STS_NMASK,STS

CMPL W^STS,#JPI_STS_MASK
 BEQL 50\$
 PUSHL W^STS
 PUSHL #JPI_STS_MASK
 PUSHAL W^STSFLG5
 CALLS #3,W^PRINT_FAIL

SDELPRC_S PIDADR = W^PID1
 CLRL R6
 CALLS #0,W^CRE_CHECK
 MOVL #SS\$_NORMAL,R6

test the STSFLG's _G all clear

NEXT_TEST

STP12:

MOVL #12,W^CURRENT_TC
 PUSHL #0
 CALLS #1,W^REG SAVE
 MOVAL W^PRIVS,W^CRE+CREPRCS_PRVADR ; setup PRVADR parameter
 MOVAL W^PROC_NAME,W^CRE+CREPRCS_PRCNAM ; setup PRCNAM parameter
 MOVL #2,W^CRE+CREPRCS_BASPRI ; setup BASPRI parameter
 MOVL W^PROC_UIC,W^CRE+CREPRCS_UIC ; setup UIC parameter
 SCREPRC_G W^CRE
 MOVAL W^GETJPI,W^SERV NAME
 SGETJPI_S PIDADR = W^PID1,-
 ITMLST = W^GET_LIST ; get the process status flags

00000000'8F	0719	750	FAIL_CHECK SSS_NORMAL	; check success
0BFD'CF 01	DD 0719		PUSHL #SSS_NORMAL	
021F'CF 01	FB 071F		CALLS #1,W^REG CHECK	
000001CF'EF FFC739FF 8F	DE 0724	751	MOVAL W^CREPRC,W^SERV NAME	
	CA 0728	752	BICL #JPI_STS_NMASK,STS	
00 01CF'CF	D1 0736	753	CMPL W^STS,#^X0	
0F	13 073B	754	BEQL 60\$	
01CF'CF	DD 073D	755	PUSHL W^STS	
00	DD 0741	756	PUSHL #^X0	
0134'CF	DF 0743	757	PUSHAL W^STSFLGS	
0C3F'CF 03	FB 0747	758	CALLS #3,W^PRINT_FAIL	
	074C	759		
0D30'CF 00	FB 0759	760 60\$:	SWAKE_S PIDADR = W^PID1	
		761	CALLS #0,W^CRE_CHECK	
		762		

			075E	764	SBTTL GETJPI TESTS	
			075E	765	:+	
			075E	766	:	
			075E	767	\$GETJPI tests	
			075E	768	test the default case with all items _S	
			075E	769		
			075E	770		
			075E	771	:-	
			075E	772	NEXT_TEST	
			075E			
			075E	STP13:		
			075E		MOVL #13,W^CURRENT_TC	
			075E		PUSHL #0	
			075E		CALLS #1,W^REG_SAVE	
			076A	773	MOVAL W^GETJPI,W^SERV_NAME	
			0765	774	MOVAL W^UM,W^MODE	
			0771	775	PRIV ADD,SETPRV	
			0778	776		
			0798	777	\$SETPRV_S ENBFLG = #1,-	
			0798	778	PRVADR = PRVMASK	
			07AB	779	\$SETPRV_S PRVADR = NPRVMASK	
			07BE	780		
			07BE	781	FAIL_CHECK SSS_NORMAL	
			07BE		PUSHL #SSS_NORMAL	
			07C4		CALLS #1,W^REG_CHECK	
			07C9	782	\$GETJPI_S ITMLST = W^GET_LIST	
			07DE	783	FAIL_CHECK SSS_NORMAL	
			07DE		PUSHL #SSS_NORMAL	
			07E4		CALLS #1,W^REG_CHECK	
			07E9	784	MOVAL W^ACCOUNT,R6	
			07EE	785	MOVAL W^JPI_GOOD,R7	
			07F3	786	MOVL #JPI_CIST_SIZE,R8	
			07FA	787	CALLS #0,W^JPI_CHECK	
			07FF	788	:+	
			07FF	789		
			07FF	790	test _G default case with all items	
			07FF	791		
			07FF	792	:-	
			07FF	793	NEXT_TEST	
			07FF			
			07FF	STP14:		
			07FF		MOVL #14,W^CURRENT_TC	
			0804		PUSHL #0	
			0806		CALLS #1,W^REG_SAVE	
			0808	794	\$GETJPI_G W^GET1	
			0814	795	FAIL_CHECK SSS_NORMAL	
			0814		PUSHL #SSS_NORMAL	
			081A		CALLS #1,W^REG_CHECK	
			081F	796	CALLS #0,W^JPI_CHECK	
			0824	797	:+	
			0824	798		
			0824	799	test local EFN	
			0824	800		
			0824	801	:-	
			0824	802	NEXT_TEST	
			0824			
			0824	STP15:		

0004'CF 0F DO 0824 MOVL #15,W^CURRENT_TC
 0000 00 00 DD 0829 PUSHL #0
 0BF3'CF 01 FB 0828 CALLS #1,W^REG_SAVE
 021F'CF 016E'CF DE 0830 803 SCREPRC_S QUOTA = W^QUOTA_LIST,-
 0837 804 IMAGE = W^IMAGE_NAME,-
 0837 805 PIDADR = W^PID1,-
 0837 806 PRCNAM = W^PROC_NAME
 0837 807 FAIL_CHECK SSS_NORMAL ; set service name
 00000000'8F 0000 0000 DD 0861 808 PUSHL #SSS_NORMAL
 0BF3'CF 01 FB 0867 CALLS #1,W^REG_CHECK
 021F'CF 0175'CF DE 086C 809 MOVAL W^GETJPI,W^SERV_NAME
 0873 810 \$GETJPI_S EFN = #1,-
 0873 811 ITMLST = W^GET_LIST
 00000000'8F 0000 0000 DD 0888 812 FAIL_CHECK SSS_NORMAL ; create the target process
 0BF3'CF 01 FB 088E PUSHL #SSS_NORMAL ; check for success
 00000000'8F 0000 0000 DD 0893 813 SWAITFR_S EFN = #1
 0000 0000 FB 089C 814 CALLS #0,W^JPI_CHECK
 0000 0000 DO 08A1 815 MOVL #1,W^GET+GETJPIS_EFN
 00CB'CF 023B'CF DE 08A6 816 MOVAL W^PID1,W^GET+GETJPIS_PIDADR
 08AD 817 \$GETJPI_G W^GET
 08B6 818 FAIL_CHECK SSS_NORMAL ; reset the service name
 00000000'8F 0000 0000 DD 08B6 819 PUSHL #SSS_NORMAL ; try S with EFN
 0BF3'CF 01 FB 08BC CALLS #1,W^REG_CHECK ; check success
 0000 0000 FB 08C1 819 SWAITFR_S EFN = #1
 0000 0000 FB 08CA 820 CALLS #0,W^JPI_CHECK ; wait for completion
 08CF 821 :+ ; check the results
 08CF 822 :
 08CF 823 : test common EFN with _S
 08CF 824 :
 08CF 825 :-
 08CF 826 : NEXT_TEST
 0004'CF 10 DO 08CF STP16:
 0000 00 00 DD 08D4 MOVL #16,W^CURRENT_TC
 0BF3'CF 01 FB 08D6 PUSHL #0
 08DB 827 CALLS #1,W^REG_SAVE
 08DB 828 SASCEFC_S EFN = #65,-
 08F0 829 NAME = W^EFC_NAME
 08F0 830 \$GETJPI_S EFN = #65,-
 0909 831 ITMLST = W^GET_LIST
 00000000'8F 0000 0000 DD 0909 831 FAIL_CHECK SSS_NORMAL ; get a common EF
 0BF3'CF 01 FB 090F PUSHL #SSS_NORMAL ; try S with CEFN
 0000 0000 FB 0914 832 CALLS #1,W^REG_CHECK ; check success
 0000 00041 8F DO 0921 833 SWAITFR_S EFN = #65
 0000 00041 8F DO 0926 834 CALLS #0,W^JPI_CHECK
 092F 835 MOVL #65,W^GET+GETJPIS_EFN
 0938 836 \$GETJPI_G W^GET
 00000000'8F 0000 0000 DD 0938 FAIL_CHECK SSS_NORMAL ; try G, CEFN, and target process
 0BF3'CF 01 FB 093E PUSHL #SSS_NORMAL ; check for success
 0000 0000 FB 0943 837 SWAITFR_S EFN = #65
 0000 0000 FB 0950 838 CALLS #1,W^REG_CHECK ; wait for completion
 0955 839 CALLS #0,W^JPI_CHECK ; check the results
 0962 840 SDACEFC_S EFN = #65 ; release the CEFN
 0962 841 :+

0004'CF	11	DO	0962	0962	842	test PIDADR	
0BF3'CF	00	DD	0967	0962	843	:-	
0BF3'CF	01	FB	0969	0962	844	;-	
				0962	845	NEXT_TEST	
				0962	846		
				0962	847	STP17:	
				0962	848	MOVL #17,W^CURRENT_TC	
				0962	849	PUSHL #0	
				0962	850	CALLS #1,W^REG_SAVE	
				0962	851	SGETJPI_S EFN = #2,-	
				0962	852	PIDADR = W^PID1,-	
				0962	853	ITMLST = W^GET_LIST	
				0962	854	FAIL_CHECK SSS_NORMAL	
				0962	855	PUSHL #SSS_NORMAL	
				0962	856	CALLS #1,W^REG_CHECK	
				0962	857	SWAITFR_S EFN = #2	
				0962	858	CALLS #0,W^JPI_CHECK	
				0962	859	:+	
				0962	860	test PRCNAM	
				0962	861	:-	
				0962	862	NEXT_TEST	
				0962	863	STP18:	
				0962	864	MOVL #18,W^CURRENT_TC	
				0962	865	PUSHL #0	
				0962	866	CALLS #1,W^REG_SAVE	
				0962	867	SGETJPI_S EFN = #3,-	
				0962	868	PRCNAM = W^PROC_NAME,-	
				0962	869	ITMLST = W^GET_LIST	
				0962	870	FAIL_CHECK SSS_NORMAL	
				0962	871	PUSHL #SSS_NORMAL	
				0962	872	CALLS #1,W^REG_CHECK	
				0962	873	SWAITFR_S EFN = #3	
				0962	874	CALLS #0,W^JPI_CHECK	
				0962	875	:+	
				0962	876	test IOSB	
				0962	877	:-	
				0962	878	NEXT_TEST	
				0962	879	STP19:	
				0962	880	MOVL #19,W^CURRENT_TC	
				0962	881	PUSHL #0	
				0962	882	CALLS #1,W^REG_SAVE	
				0962	883	SGETJPI_S EFN = #4,-	


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00C7'CF 0C  DO 0ACD 921      $SETAST_S ENBFLG = #0          ; disable AST's
00CB'CF 023B'CF DE 0AD6 922      MOVL #12 W^GET+GETJPI$ EFN   ; setup EFN param
00CF'CF 053A'CF DE 0ADB 923      MOVAL W^PID1 W^GET+GETJPI$ PIDADR ; setup PIDADR param
00D7'CF 0233'CF DE 0AE2 924      MOVAL W^IMAGÉ NAME W^GET+GETJPI$ PRCNAM ; setup PRCNAM param
00DB'CF 25'AF  DE 0AE9 925      MOVAL W^IOSTAT W^GET+GETJPI$ IOSB   ; setup IOSB param
00DF'CF FFFFFFFF 8F  DO 0AF0 926      MOVAL B^20$ W^GET+GETJPI$ ASTADR ; setup ASTADR param
00DF'CF FFFFFFFF 8F  DO 0AF6 927      MOVL #1 W^GET+GETJPI$ ASTPRM  ; setup ASTPRM param
00DF'CF FFFFFFFF 8F  DO 0AFF 928      $GETJPI G W^GET          ; try it all_G
00DF'CF FFFFFFFF 8F  DO 0B08 929      FAIL_CHECK SSS_NORMAL    ; check success

00000000'8F 0BFD'CF 01  DD 0B08 930      PUSHL #SSS_NORMAL
00000000'8F 0BFD'CF 01  FB 0B0E 931      CALLS #1,W^REG_CHECK
00000000'8F 0BFD'CF 01  23 0B13 930      $SETAST_S ENBFLG = #1
00000000'8F 0BFD'CF 01  23 0B1C 931      $HIBER_S
00000000'8F 0BFD'CF 01  23 0B23 932      BRB 40$                ; let er rip
00000000'8F 0BFD'CF 01  23 0B25 933      20$: .WORD ^M<R2,R3,R4> ; wait here for completion
04 AC FFFFFFFF 8F  001C 0B25 934      CMPL #1,4(AP)          ; jump over the AST routine
04 AC FFFFFFFF 8F  12 0B27 935      BEQZ 30$                ; is this the right param
04 AC FFFFFFFF 8F  12 0B2F 936      PUSHL 4(AP)            ; br if OK
04 AC FFFFFFFF 8F  04 0B31 937      PUSHL #1                ; push the received
04 AC FFFFFFFF 8F  04 0B34 938      PUSHAL W^AST PARAM    ; push expected
00E6'CF 00E6'CF  DF 0B3A 939      CALLS #3,W^PRINT_FAIL ; push the string variable
0C3F'CF 0C3F'CF  03 0B3E 940      30$: CALLS #0,W^JPI_CHECK ; print the failure
0DDA'CF 0DDA'CF  00 0B43 941      40$: CALLS #0,W^JPI_CHECK ; check the results
0DDA'CF 0DDA'CF  00 0B43 942      44: ;+
0DDA'CF 0DDA'CF  00 0B43 943      45: ;-
0DDA'CF 0DDA'CF  00 0B48 944      46: ; test a shorter list starting with a PCB item followed by a JIB item
0DDA'CF 0DDA'CF  00 0B48 945      47: ;-
0DDA'CF 0DDA'CF  00 0B48 946      48: ;-
0DDA'CF 0DDA'CF  00 0B48 947      49: ;-
0DDA'CF 0DDA'CF  00 0B48 948      50: ;-
0DDA'CF 0DDA'CF  00 0B48 949      51: NEXT_TEST

0004'CF 0004'CF  16 0B48 522: STP22: MOVL #22,W^CURRENT_TC
0BF3'CF 0BF3'CF  00 0B4D 523:      PUSHL #0
0BF3'CF 0BF3'CF  01 0B4F 524:      CALLS #1,W^REG_SAVE
0BF3'CF 0BF3'CF  01 0B54 950      $GETJPI_S EFN = #17,-
0BF3'CF 0BF3'CF  01 0B54 951      PIDADR = W^PID1,-
0BF3'CF 0BF3'CF  01 0B54 952      ITMLST = W^SHORT_LIST
0BF3'CF 0BF3'CF  01 0B68 953      FAIL_CHECK SSS_NORMAL ; try_S, target process, short list
0BF3'CF 0BF3'CF  01 0B68 954      PUSHL #SSS_NORMAL ; check success
0BF3'CF 0BF3'CF  01 0B71 955      CALLS #1,W^REG_CHECK
0BF3'CF 0BF3'CF  01 0B76 956      MOVAL W^CPULIM,R6
0BF3'CF 0BF3'CF  01 0B76 957      MOVAL W^JPI GOOD SHRT,R7
0BF3'CF 0BF3'CF  01 0B80 958      MOVL #JPI [IST SIZE1,R8
0BF3'CF 0BF3'CF  01 0B83 959      CALLS #0,W^JPI_CHECK
0BF3'CF 0BF3'CF  01 0B88 960      PUSHL #0
0BF3'CF 0BF3'CF  01 0B8A 961      CALLS #1,W^REG_SAVE
0BF3'CF 0BF3'CF  01 0B8F 962      $GETJPI_S EFN = #18,-
0BF3'CF 0BF3'CF  01 0B8F 963      PRCNAM = W^TEST MOD NAME_D,-
0BF3'CF 0BF3'CF  01 0B8F 964      ITMLST = W^SHORT_LIST
0BF3'CF 0BF3'CF  01 0BAC 965      FAIL_CHECK SSS_NORMAL ; try_S, self, short list
0BF3'CF 0BF3'CF  01 0BAC 966      PUSHL #SSS_NORMAL ; check for success
0BF3'CF 0BF3'CF  01 0B81 966      CALLS #1,W^REG_CHCK
0ODDA'CF 0ODDA'CF 00 0B81 967      SWAITFR_S EFN = #18
0ODDA'CF 0ODDA'CF 00 0B8A 968      CALLS #0,W^JPI_CHECK
0ODDA'CF 0ODDA'CF 00 0BBF 969      SWAKE_S PIDADR = W^PID1 ; wait for completion
0ODDA'CF 0ODDA'CF 00 0BBF 970      ; check the results
0ODDA'CF 0ODDA'CF 00 0BBF 971      ; get rid of the target process

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SATSSS35
V04-000

- SATS SYSTEM SERVICE TESTS (SUCC S.C.) 16-SEP-1984 00:50:17 VAX/VMS Macro V04-00
GETJPI TESTS 5-SEP-1984 04:30:34 [UETPSY.SRC]SATSSS35.MAR;1 Page 26
(1)

004C'CF 0BCC 967 TEST_END
0048'CF DD 0BCC
02 DD 0BD0
0044'CF DD 0BD4
00000000'GF 04 FB 0BDA
0044'CF 01 1C 01 F 0BE1
0044'CF DD 0BE8
00000000'GF 01 FB 0BEC

PUSHL W^TMD_ADDR
PUSHL W^TMN_ADDR
PUSHL #2
PUSHL W^MOD_MSG_CODE
CALLS #SST1-G^LIB\$SIGNAL
INSV #1,#S\$SV_INHIB_MSG,#1,W^MOD_MSG_CODE
PUSHL W^MOD_MSG_CODE
CALLS #1,G^SYS\$EXIT

53 03 CA 0C2E 1026 BICL2 #3,R3
 61 DD 0C31 1027 PUSHL (R1)
 63 DD 0C33 1028 PUSHL (R3)
 006D'CF DF 0C35 1029 PUSHAL W^REG
 OC3F'CF 04 FB 0C39 1030 CALLS #4,W^PRINT_FAIL
 OC3F 04 OC3E 1031 20\$: RET
 OC3F 04 OC3E 1032 .SBTTL PRINT_FAIL
 OC3F 04 OC3F 1033
 OC3F 04 OC3F 1034 ++
 OC3F 04 OC3F 1035 FUNCTIONAL DESCRIPTION:
 OC3F 04 OC3F 1036 Subroutine to report failures using \$PUTMSG
 OC3F 04 OC3F 1037
 OC3F 04 OC3F 1038 CALLING SEQUENCE:
 OC3F 04 OC3F 1039 Mode #1 PUSHL EXPECTED Mode #2 PUSHL REG NUMBER
 OC3F 04 OC3F 1040 PUSHL RECEIVED
 OC3F 04 OC3F 1041 PUSHAL STRING VAR
 OC3F 04 OC3F 1042 CALLS #3,W^PRINT_FAIL
 OC3F 04 OC3F 1043
 OC3F 04 OC3F 1044 Mode #3 PUSHAL STRING VAR
 OC3F 04 OC3F 1045 CALLS #1,W^PRINT_FAIL
 OC3F 04 OC3F 1046
 OC3F 04 OC3F 1047 INPUT PARAMETERS:
 OC3F 04 OC3F 1048 listed above
 OC3F 04 OC3F 1049
 OC3F 04 OC3F 1050 OUTPUT PARAMETERS:
 OC3F 04 OC3F 1051 an error message is printed using \$PUTMSG
 OC3F 04 OC3F 1052
 OC3F 04 OC3F 1053 --
 OC3F 04 OC3F 1054
 003C 04 OC3F 1055 PRINT_FAIL:
 OC41 04 OC3F 1056 .WORD ^M<R2,R3,R4,R5>
 OC62 04 OC41 1057 \$FAO_S W^CS1,W^MESSAGE1,W^MSG1,WTTEST_MOD_NAME,W^SERV_NAME,W^CURRENT_TC
 04 6C 91 OC73 1058 SPUTMSG_S W^MSGVEC : print the message
 26 13 OC76 1059 CMPB (AP),#4 : is this a register message?
 01 6C 91 OC78 1060 BEQL 10\$: : br if yes
 48 13 OC7B 1061 CMPB (AP),#1 : is this just a message?
 40 11 OC9C 1062 BEQL 20\$: : br if yes
 OC9E 04 OC9E 1064 \$FAO_S W^CS2,W^MESSAGE1,W^MSG1,4(AP),8(AP),4(AP),12(AP)
 19 11 OC9E 1065 10\$: BRB 30\$: : goto output message
 0CC3 04 OC9E 1066 \$FAO_S W^CS3,W^MESSAGE1,W^MSG1,4(AP),16(AP),8(AP),4(AP),16(AP),12(AP)
 11 11 OC9E 1067 BRB 30\$: : goto output message
 022F'CF 04 AC 00 OC5 1068 20\$: MOVL 4(AP),W^MSGVEC1+12 : save string address
 004C'CF 00 OC5 1069 SPUTMSG_S W^MSGVEC1 : print the message
 002A'CF 00 OC5 1070 BRB 40\$: : skip the other message
 04 OC5 1071 OCDE 1072 30\$: SPUTMSG_S W^MSGVEC : print the message
 04 OC5 1073 OCDE 1074 40\$: CALLS #0,W^MODE_ID : identify the mode
 0044'CF 03 00 02 FB 0CEF 1075 MOVAL W^TEST_MOD_FAIL,W^TMD_ADDR : set failure message address
 002A'CF 02 DE 0CF4 1076 INSV #ERROR,#0,#3,W^MOD_MSG_CODE : set severity code
 04 0D02 1077 RET

003C 04 0FFC 56 FED0 0247'CF 1A 57 0238'CF 11 13 0D03 1080 .SBTTL MODE_ID
 0D03 1081 ++
 0D03 1082 FUNCTIONAL DESCRIPTION:
 0D03 1083 Subroutine to identify the mode that an exit handler is in.
 0D03 1084
 0D03 1085 CALLING SEQUENCE:
 0D03 1086 CALLS #0,W^MODE_ID
 0D03 1087
 0D03 1088 INPUT PARAMETERS:
 0D03 1089 MODE contains an address pointing to an ascii string desc.
 0D03 1090 of the current CPU mode.
 0D03 1091
 0D03 1092 OUTPUT PARAMETERS:
 0D03 1093 NONE
 0D03 1094
 0D03 1095 --
 0D03 1096
 003C 1097 MODE_ID:
 0D03 1098 .WORD ^M<R2,R3,R4,R5>
 0D05 1099 \$FA0_S W^CS5,W^MESSAGEL,W^MSGL,MODE ; format the error message
 0D1E 1100 \$PUTMSG_S W^MSGVEC ; print the mode message
 0D2F 1101 RET
 0D30 1102 .SBTTL CRE_CHECK
 0D30 1103 ++
 0D30 1104 FUNCTIONAL DESCRIPTION:
 0D30 1105 Routine to check the process exit status of a created process.
 0D30 1106
 0D30 1107 CALLING SEQUENCE:
 0D30 1108 CALLS #0,W^CRE_CHECK ; save R2-R11
 0D30 1109
 0D30 1110 INPUT PARAMETERS:
 0D30 1111 R6 = Expected process exit status
 0D30 1112 R7 = PID check flag BIT0 = 1 means check the PID
 0D30 1113
 0D30 1114 OUTPUT PARAMETERS:
 0D30 1115 NONE
 0D30 1116
 0D30 1117 --
 0D30 1118
 0FFC 1119 CRE_CHECK:
 0D30 1120 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
 0D32 1121 \$QIOW_S EFN = #1,-
 0D32 1122 FUNC = #I0\$ READVBLK,-
 0D32 1123 CHAN = W^MBCHAN,-
 0D32 1124 IOSB = W^IOSTATUS,-
 0D32 1125 P1 = W^MBUF,-
 0D32 1126 P2 = #100 : read the mail
 024F'CF D1 0D59 1127 CMPL W^MBUF+ACCSL_FINALSTS,R6 : is the status as expected?
 OF 13 0D5E 1128 BEQL 10\$: br if OK
 024F'CF DD 0D60 1129 PUSHL W^MBUF+ACCSL_FINALSTS : push received
 56 DD 0D64 1130 PUSHL R6 : push expected
 00D8'CF DF 0D66 1131 PUSHAL W^EXP : push string variable
 FED0 CF 03 FB 0D6A 1132 CALLS #3,W^PRINT_FAIL : print the failure
 0D6F 1133 10\$: BLBC R7,20\$: should we check the PID?
 0247'CF 1A 57 E9 0D6F 1134 CMPL W^PID1,W^IOSTATUS+4 : check the PID
 0238'CF D1 0D72 1135 BEQL 20\$: br if its good
 11 13 0D79 1136

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0247'CF  DD 0D7B 1137      PUSHL  W^IOSTATUS+4          ; push received
023B'CF  DD 0D7F 1138      PUSHL  W^PID1             ; push expected
0163'CF  DF 0D83 1139      PUSHAL  W^PID STR          ; push the string variable
FEB3 CF   03  FB 0D87 1140      CALLS  #3,W^PRINT_FAIL ; print the failure
FEB3 CF   03  OD8C 1141 20$:      ;+
04  OD8C 1142      RET
04  OD8D 1143      .SBTTL JPI_CHECK
04  OD8D 1144      ;+
04  OD8D 1145      FUNCTIONAL DESCRIPTION:
04  OD8D 1146      Subroutine to check the results of a JPI service
04  OD8D 1147
04  OD8D 1148      CALLING SEQUENCE:
04  OD8D 1149      CALLS  #0,W^JPI_CHECK ; check the results
04  OD8D 1150
04  OD8D 1151      INPUT PARAMETERS:
04  OD8D 1152      R6 = questionable data address
04  OD8D 1153      R7 = good data address
04  OD8D 1154      R8 = byte count
04  OD8D 1155
04  OD8D 1156      OUTPUT PARAMETERS:
04  OD8D 1157      NONE
04  OD8D 1158
04  OD8D 1159      ;-
04  OD8D 1160
04  OD8D 1161      ARGLST1:
04  OD8D 1162      .BLKL 3
04  OD99 1163      CTRSTR: .ASCID /data error at offset !XW, good data = !XB bad data = !XB./
04  OD99 1164
04  00000D99
04  65 20 61 74 61 64 00000DA1'010E0000' 0D99
04  73 66 66 6F 20 74 61 20 72 6F 72 72 0DA7
04  64 6F 6F 67 20 2C 57 58 21 20 74 65 0DB3
04  20 42 58 21 20 3D 20 61 74 61 64 20 0DBF
04  21 20 3D 20 61 74 61 64 20 64 61 62 0DCB
04  2E 42 58 0DD7
04  ODDA 1165
04  ODDA 1166      JPI_CHECK:
04  ODDA 1167      .WORD  ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
04  ODDC 1168      CMPC3 R8,(R6),(R7)          ; check the buffer
04  ODE0 1169      BEQL  10$                ; br if good
04  ODE2 1170      SUBL3 #ACCOUNT,R1,W^ARGLST1 ; get buffer offset
04  ODEC 1171      MOVZBL (R3),W^ARGLST1+4 ; get the good data
04  ODF1 1172      MOVZBL (R1),W^ARGLST1+8 ; get the bad data
04  ODF6 1173      SFAOL S W^CTRSTR,W^ML,W^GETBUF,W^ARGLST1 ; make it readable
04  0183'CF  DF 0E0D 1174      PUSHAE W^ML          ; push the desc. address
04  FE29 CF   01  FB 0E11 1175      CALLS #1,W^PRINT_FAIL ; print the failure
04  0E16 1176 10$:      RET
04  0E16 1177

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OE17 1180 MOD_MSG_PRINT:
OE17 1181
OE17 1182 : *****
OE17 1183 : *
OE17 1184 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES
OE17 1185 : * (USING THE PUTMSG MACRO).
OE17 1186 : *
OE17 1187 : *****
OE17 1188 :
OE17 1189 : PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> : PRINT MSG
05 OE32 1190 : RSB ; ... AND RETURN TO CALLER
OE33 1191 :
OE33 1192 : CHMRTN:
OE33 1193 : *****
OE33 1194 : *
OE33 1195 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
OE33 1196 : * A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
OE33 1197 : * BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES
OE33 1198 : * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
OE33 1199 : * THE EFFECT OF RETURNING TO THE END OF THE MODE
OE33 1200 : * MACRO EXPANSION.
OE33 1201 : *
OE33 1202 : *****
OE33 1203 :
00000059'FF 0000 17 OE33 1204 : WORD 0 ; ENTRY MASK
OE35 1205 : JMP aCHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
OE3B 1206 :
OE3B 1207 : * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM,' MACRO
OE3B 1208 :
OE3B 1209 : .END SATSSS35

SSARGS	= 00000007	CS3	00000090	R	03
SST1	= 00000004	CS5	000000C3	R	03
SST2	- 00000004	CTL\$GL_PHD	*****	X	05
ACCSL_FINALSTS	= 00000004	CTRSTR	00000D99	R	05
ACCOUNT	00000000 R	CURPRIV	00000010	R	02
ACCOUNTL	00000008 R	CURPRIVL	00000018	R	02
APTCNT	00000050 R	CURRENT_TC	00000004	R	04
APTCNTL	00000054 R	DFPFC	0000009C	R	02
ARGLST1	00000D80 R	DFPFCL	000000A0	R	02
ASTACT	00000056 R	DFWSCNT	000000A2	R	02
ASTACTL	0000005A R	DFWSCNTL	000000A6	R	02
ASTCNT	00000062 R	DIB\$W_UNIT	= 0000000C		
ASTCNTL	00000066 R	DIOCNT	000000A8	R	02
ASTEN	0000005C R	DIOCNTL	000000AC	R	02
ASTENL	00000060 R	DIOLM	000000AE	R	02
ASTLM	00000068 R	DIOLML	000000B2	R	02
ASTLML	0000006C R	DIRIO	000000B4	R	02
AST PARAM	000000E6 R	DIRIOL	000000B8	R	02
AUTHPRIV	0000006E R	DIRTY	00000266	R	03
AUTHPRIVL	00000076 R	EFCS	000000BA	R	02
BIOCNT	00000078 R	EFCSL	000000BE	R	02
BIOCNTL	0000007C R	EFCU	000000C0	R	02
BIOLM	0000007E R	EFCUL	000000C4	R	02
BIOLML	00000082 R	EFC NAME	0000014F	R	03
BP	000000F8 R	EFWM	000000C6	R	02
BUF	00000133 R	EFWML	000000CA	R	02
BUFI0	00000084 R	ERR	00000529	R	03
BUFIOL	00000088 R	ERROR	= 00000002		
BYTCNT	0000008A R	EXCVEC	000000CC	R	02
BYTCNTL	0000008E R	EXCVECL	000000D0	R	02
BYTLM	00000090 R	EXP	000000D8	R	03
BYTLM	00000094 R	FILCNT	000000D8	R	02
CHMRTN	00000E33 R	FILCNTL	000000DC	R	02
CHM_CONT	00000059 R	FILLM	000000DE	R	02
CPUIM	0000000A R	FILLML	000000E2	R	02
CPULIML	0000000E R	FINALEXC	000000D2	R	02
CPUTIM	00000096 R	FINALEXCL	000000D6	R	02
CPUTIML	0000009A R	FREPOVA	000000E4	R	02
CRE	0000008B R	FREPOVAL	000000E8	R	02
CREPRC	0000016E R	FREP1VA	000000EA	R	02
CREPRCS-BASPRI	= 00000024	FREP1VAL	000000EE	R	02
CREPRCS-ERROR	= 00000014	GET	000000C3	R	04
CREPRCS-IMAGE	= 00000008	GET1	000000E3	R	04
CREPRCS-INPUT	= 0000000C	GETBUF	0000018B	R	04
CREPRCS-ITMLST	= 00000034	GETJPI	= 00000175	R	03
CREPRCS-MBXUNT	= 0000002C	GETJPI\$-ASTADR	= 00000018		
CREPRCS-NARGS	= 0000000D	GETJPI\$-ASTPRM	= 0000001C		
CREPRCS-OUTPUT	= 00000010	GETJPI\$-EFN	= 00000004		
CREPRCS-PIDADR	= 00000004	GETJPI\$-IOSB	= 00000014		
CREPRCS-PRCNAM	= 00000020	GETJPI\$-ITMLST	= 00000010		
CREPRCS-PRVADR	= 00000018	GETJPI\$-NARGS	= 00000007		
CREPRCS-QUOTA	= 0000001C	GETJPI\$-PIDADR	= 00000008		
CREPRCS-STSLFLG	= 00000030	GETJPI\$-PRCNAM	= 0000000C		
CREPRCS-UIC	= 00000028	GET LIST	000001EE	R	03
CRE_CHECK	00000D30 R	GPGCNT	000000F0	R	02
CS1	00000031 R	GPGCNTL	000000F4	R	02
CS2	00000063 R	GRP	0000001A	R	02

GRPL					
IMAGE_NAME	0000001E	R	02	JPIS\$-STATE	= 00000306
IMAGNAME	0000053A	R	03	JPIS\$-STS	= 00000305
IMAGNAMEL	000000F6	R	02	JPIS\$-TMBU	= 00000308
IMAGPRIV	00000176	R	02	JPIS\$-TQCNT	= 00000315
IMAGPRIVL	00000020	R	02	JPIS\$-TQLM	= 00000410
IN	00000028	R	02	JPIS\$-UIC	= 00000304
IOS_READVBLK	00000506	R	03	JPIS\$-USERNAME	= 00000202
IOSTAT	*****	X	05	JPIS\$-VIRTPEAK	= 00000200
IOSTATUS	00000233	R	04	JPIS\$-VOLUMES	= 00000205
ITEM_LIST	00000243	R	04	JPIS\$-WSAUTH	= 00000401
JPIS\$-ACCOUNT	00000103	R	04	JPIS\$-WSPEAK	= 00000201
JPIS\$-APTCNT	= 00000203			JPIS\$-WSQUOTA	= 00000402
JPIS\$-ASTACT	= 0000030A			JPIS\$-WSSIZE	= 00000411
JPIS\$-ASTCNT	= 00000300			JPI\$-CHECK	00000DDA R 05
JPIS\$-ASTEN	= 0000030E			JPI\$-GOOD	000004B6 R 03
JPIS\$-ASTLM	= 00000301			JPI\$-GOOD_SHRT	000004C0 R 03
JPIS\$-AUTHPRIV	= 00000409			JPI\$-LIST\$SIZE	= 0000044
JPIS\$-BIOCNT	= 00000412			JPI\$-LIST\$SIZE1	= 000003A
JPIS\$-BIOLM	= 0000030F			JPI\$-PRV\$MASK	= 1070BFEF
JPIS\$-BUFIO	= 00000310			JPI\$-STS\$MASK	= EF8F4010
JPIS\$-BYTCNT	= 0000040C			JPI\$-STS\$NMASK	= 0038C600
JPIS\$-BYTLM	= 00000311			LIB\$SIGNAL	= FFC739FF
JPIS\$-CPULIM	= 0000031A			*****	X 05
JPIS\$-CPUTIM	= 0000040D			LOGINTIM	00000178 R 02
JPIS\$-CURPRIV	= 00000407			LOGINTIML	0000017C R 02
JPIS\$-DFPFC	= 00000400			MBCHAN	0000023F R 04
JPIS\$-DFWSCNT	= 00000406			MBNAM	00000188 R 03
JPIS\$-DIOCNT	= 00000403			MBUF	0000024B R 04
JPIS\$-DIOLM	= 00000312			MBXUN	00000241 R 04
JPIS\$-DIRIO	= 00000313			MEM	0000002A R 02
JPIS\$-EFCS	= 0000040B			MEML	0000002E R 02
JPIS\$-EFCU	= 00000317			MESSAGEL	00000217 R 04
JPIS\$-EFWM	= 00000318			ML	00000183 R 04
JPIS\$-EXCVEC	= 00000316			MODE	00000069 R 04
JPIS\$-FILCNT	= 00000100			MODE_ID	00000003 R 05
JPIS\$-FILLM	= 00000314			MOD\$MSG\$CODE	00000044 R 04
JPIS\$-FINALEXC	= 0000040F			MOD\$MSG\$PRINT	00000E17 R 05
JPIS\$-FREPOVA	= 00000101			MSG\$	00000083 R 04
JPIS\$-FREP1VA	= 00000404			MSGVEC	000001A6 R 03
JPIS\$-GPGCNT	= 00000405			MSGVEC1	00000223 R 04
JPIS\$-GRP	= 0000030C			NPRVMASK	0000019E R 03
JPIS\$-IMAGNAME	= 00000308			OUT	00000517 R 03
JPIS\$-IMAGPRIV	= 00000207			OWNER	0000017E R 02
JPIS\$-LOGINTIM	= 00000413			OWNERL	00000182 R 02
JPIS\$-MEM	= 00000206			PAGEFLTS	00000184 R 02
JPIS\$-OWNER	= 00000307			PAGEFLTSL	00000188 R 02
JPIS\$-PAGEFLTS	= 00000303			PCBSV\$BATCH	= 0000000E
JPIS\$-PGFLQUOTA	= 0000040A			PCBSV\$HIBER	= 00000013
JPIS\$-PID	= 0000040E			PCBSV\$LOGIN	= 00000014
JPIS\$-PPGCNT	= 00000319			PCBSV\$NETWRK	= 00000015
JPIS\$-PRCCNT	= 0000030D			PCBSV\$NOACNT	= 0000000F
JPIS\$-PRCLM	= 00000318			PCBSV\$SSFEXCU	= 00000009
JPIS\$-PRCNAM	= 00000408			PCBSV\$SSRWAIT	= 0000000A
JPIS\$-PRI	= 0000031C			PGFLQUOTA	0000018A R 02
JPIS\$-PRIB	= 00000302			PGFLQUOTAL	0000018E R 02
JPIS\$-PROCPRI	= 00000309			PHD\$Q\$PRIVMSK	= 00000000
	= 00000204			PID	00000190 R 02

PID1	00000238	R	04	QUOTA_LIST	000001B6	R	03
PIDL	00000194	R	02	REG	0000006D	R	04
PID_STR	00000163	R	03	REGNUM	0000007F	R	04
PNS	00000109	R	03	REG_CHECK	00000BFD	R	05
PPGCNT	00000196	R	02	REG_SAVE	000008F3	R	05
PPGCNTL	0000019A	R	02	REG_SAVE_AREA	00000008	R	04
PQLS_ASTLM	= 00000001			RETADR	0000005D	R	04
PQLS_BIOLM	= 00000002			RMSS_FNF	*****	X	05
PQLS_BYTLM	= 00000003			SATSSS35	00000000	RG	05
PQLS_CPULM	= 00000004			SERV_NAME	000021F	R	04
PQLS_DIOLM	= 00000005			SHORT_LIST	00001FA	R	03
PQLS_FILLM	= 00000006			SHRS_ABENDD	= 000010E0		
PQLS_LISTEND	= 00000000			SHRS_BEGIND	= 00001038		
PQLS_PGFLQUOTA	= 00000007			SHRS_ENDEDD	= 00001080		
PQLS_PRCLM	= 00000008			SHRS_TEXT	= 00001130		
PQLS_TQELM	= 00000009			SSS_NORMAL	*****	X	05
PQLS_WSDEFAULT	= 00000008			STATE	000001C9	R	02
PQLS_WSQUOTA	= 0000000A			STATEL	000001CD	R	02
PRCCNT	0000019C	R	02	STATUS	00000065	R	04
PRCCNTL	000001A0	R	02	STEP	= 00000016		
PRCLM	00000030	R	02	STP0	0000003D	R	05
PRCLML	00000034	R	02	STP1	000000BE	R	05
PRCNAM	000001A2	R	02	STP10	0000049C	R	05
PRCNAML	000001B1	R	02	STP11	00000543	R	05
PRI	000001B0	R	02	STP12	000006CC	R	05
PRIB	000001C3	R	02	STP13	0000075E	R	05
PRIBL	000001C7	R	02	STP14	000007FF	R	05
PRL	000001C1	R	02	STP15	00000824	R	05
PRINT_FAIL	00000C3F	R	05	STP16	000008CF	R	05
PRIVMASK	00000051	R	04	STP17	00000962	R	05
PRIVS	000002B3	R	04	STP18	0000099E	R	05
PRIV_ARGS	= 00000002			STP19	00000A0A	R	05
PROCPRIV	000001B3	R	02	STP2	000000F3	R	05
PROCPRIVL	000001BB	R	02	STP20	00000A4A	R	05
PROC_NAME	0000054E	R	03	STP21	00000AC1	R	05
PROC_UIC	00000565	R	03	STP22	00000848	R	05
PRV\$0_CMEXEC	= 00000001			STP3	00000146	R	05
PRV\$V_CMKRLN	= 00000000			STP4	0000018D	R	05
PRV\$V_DETACH	= 00000005			STP5	000001E4	R	05
PRV\$V_DIAGNOSE	= 00000006			STP6	00000224	R	05
PRV\$V_GROUP	= 00000008			STP7	0000027F	R	05
PRV\$V_GRPNAME	= 00000003			STP8	00000309	R	05
PRV\$V_LOG_IO	= 00000007			STP9	000003AA	R	05
PRV\$V_NETMBX	= 00000014			STS	000001CF	R	02
PRV\$V_NOACNT	= 00000009			STSSV_FAC_NO	= 00000010		
PRV\$V_PHY_IO	= 00000016			STSSV_INHIB_MSG	= 0000001C		
PRV\$V_PRMCEB	= 0000000A			STSFLGS	00000134	R	03
PRV\$V_PRMMBX	= 0000000B			STS_L	000001D3	R	02
PRV\$V_PSWAPM	= 0000000C			SUCCESS	= 00000001		
PRV\$V_SETPRI	= 0000000D			SYSSASCEFC	*****	GX	05
PRV\$V_SETPRV	= 0000000E			SYSSCMKRLN	*****	GX	05
PRV\$V_SYSNAM	= 00000002			SYSSCREMBX	*****	GX	05
PRV\$V_SYSPRV	= 0000001C			SYSSCREPRC	*****	GX	05
PRV\$V_TMPMBX	= 0000000F			SYSSDACEFC	*****	GX	05
PRV\$V_VOLPRO	= 00000015			SYSSDELPRC	*****	GX	05
PRVMASK	00000196	R	03	SYSSEXIT	*****	GX	05
PRVPRT	00000050	R	04	SYSSFAO	*****	X	05

SYSSFAOL	*****	GX	05
SYSSGETCHN	*****	GX	05
SYSSGETJPI	*****	GX	05
SYSSHIBER	*****	GX	05
SYSSPUTMSG	*****	GX	05
SYSSQIOW	*****	GX	05
SYSSSETAST	*****	GX	05
SYSSSETPRN	*****	GX	05
SYSSSETPRV	*****	GX	05
SYSSWAITFR	*****	GX	05
SYSSWAKE	*****	GX	05
TEST_MOD_BEGIN	000000019	R	03
TEST_MOD_FAIL	00000002A	R	03
TEST_MOD_NAME	000000000	R	03
TEST_MOD_NAME_D	000000009	R	03
TEST_MOD_SUCC	00000001F	R	03
TEST_PID	000002AF	R	04
TMBU	000001D5	R	02
TMBUL	000001D9	R	02
TMD_ADDR	0000004C	R	04
TMN_ADDR	00000048	R	04
TPID	000000000	R	04
TQCNT	000001DB	R	02
TQCNTR	000001DF	R	02
TQLM	00000036	R	02
TQLML	0000003A	R	02
UETP	= 00740000		
UETPS_ABENDD	= 007410E0		
UETPS_BEGIND	= 00741038		
UETPS_ENDEDD	= 00741080		
UETPS_SATSMS	= 007480D9		
UETPS_TEXT	= 00741130		
UIC	0000003C	R	02
UICL	00000040	R	02
UIC_MSG	00000144	R	03
UM	0000017C	R	03
USERNAME	00000042	R	02
USERNAMEL	0000004E	R	02
VIRTPEAK	000001E7	R	02
VIRTPEAKL	000001EB	R	02
VOLUMES	000001E1	R	02
VOLUMESL	000001E5	R	02
WSAUTH	000001ED	R	02
WSAUTHL	000001F1	R	02
WSPEAK	000001F9	R	02
WSPEAKL	000001FD	R	02
WSQUOTA	000001F3	R	02
WSQUOTAL	000001F7	R	02
WSSIZE	000001FF	R	02
WSSIZEL	00000203	R	02

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
. ABS .	000000000	(0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT
\$ABSS	000000000	(0.)	01 (1.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT
ITEM_LIST	00000205	(517.)	02 (2.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT
RODATA	00000569	(1385.)	03 (3.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	NOVEC
RWDATA	00000288	(699.)	04 (4.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	NOVEC
SATSSS35	00000E3B	(3643.)	05 (5.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	NOVEC

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.08	00:00:00.31
Command processing	134	00:00:00.63	00:00:02.15
Pass 1	472	00:00:19.08	00:00:32.37
Symbol table sort	0	00:00:01.51	00:00:01.52
Pass 2	257	00:00:04.93	00:00:08.65
Symbol table output	46	00:00:00.38	00:00:00.54
Psect synopsis output	3	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	949	00:00:26.66	00:00:45.59

The working set limit was 2000 pages.

116238 bytes (228 pages) of virtual memory were used to buffer the intermediate code.

There were 60 pages of symbol table space allocated to hold 1010 non-local and 25 local symbols.

1209 source lines were read in Pass 1, producing 42 object records in Pass 2.

63 pages of virtual memory were used to define 57 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
\$255\$DUA28:[SHRLIB]UETP.MLB;1	10
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	41
TOTALS (all libraries)	53

1207 GETS were required to define 53 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:\$SATSSS35/OBJ=OBJ\$:\$SATSSS35 MSRC\$:\$SATSSS35/UPDATE=(ENH\$:\$SATSSS35)+EXECMLS\$LIB+SHRLIB\$:\$UETP/LIB

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